

## Refine Search

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(comput\$5 or calculat\$3) with new near dependency	14

Database:

US Pre-Grant Publication Full-Text Database  
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Search:

(dynamic\$4 or automatic\$4 or runtime)  
 L265





### Search History

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<a href="#">L265</a>	(comput\$5 or calculat\$3) with new near dependency	14	<a href="#">L265</a>
<a href="#">L264</a>	(comput\$5 or calculat\$3) near new near dependency	0	<a href="#">L264</a>
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<a href="#">L262</a>	invalidat\$3 and L261	23	<a href="#">L262</a>
<a href="#">L261</a>	(dynamic\$4 or runtime or automatic\$4) and L260	337	<a href="#">L261</a>
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<a href="#">L259</a>	((comput\$5 or calculat\$3) near object with dependency)	28	<a href="#">L259</a>
<a href="#">L258</a>	(recomput\$5 or recalculat\$3) and L257	2	<a href="#">L258</a>
<a href="#">L257</a>	l11 and L256	153	<a href="#">L257</a>
<a href="#">L256</a>	sever	94754	<a href="#">L256</a>
<a href="#">L255</a>	server	399758	<a href="#">L255</a>
<a href="#">L254</a>	l11 and L253	16	<a href="#">L254</a>
<a href="#">L253</a>	(recomput\$5 or recalculat\$3) and L252	124	<a href="#">L253</a>

<u>L252</u>	dependen\$2 near (list or queue or buffer)	1646	<u>L252</u>
<u>L251</u>	dirty with (recomput\$6 or recalculat\$3)	40	<u>L251</u>
<u>L250</u>	6538651.pn.	2	<u>L250</u>
<u>L249</u>	l11 and L248	30	<u>L249</u>
<u>L248</u>	((recomput\$5 or recalculat\$3) near value)	1851	<u>L248</u>
<u>L247</u>	((recomput\$5 or recalculat\$3) near dependency)	16	<u>L247</u>
<u>L246</u>	((recomput\$5 or recalculat\$3) near ( value or object) with dependency)	2	<u>L246</u>
<u>L245</u>	requester adj class	28	<u>L245</u>
<u>L244</u>	((calculat\$3 or comput\$5) near method with requester)	41	<u>L244</u>
<u>L243</u>	((calculat\$3 or comput\$5) near dependency with (calculat\$3 or comput\$5) near values)	5	<u>L243</u>
<u>L242</u>	sever\$3 near dependency	89	<u>L242</u>
<u>L241</u>	(dependency or dag) and L240	96	<u>L241</u>
<u>L240</u>	mark\$3 near dirty	682	<u>L240</u>
<u>L239</u>	L221 and L238	17	<u>L239</u>
<u>L238</u>	L189 and L236	130	<u>L238</u>
<u>L237</u>	L229 and L236	0	<u>L237</u>
<u>L236</u>	dependen\$3 near (change or updat\$3)	12834	<u>L236</u>
<u>L235</u>	base adj class and L229	2	<u>L235</u>
<u>L234</u>	application near state and L229	0	<u>L234</u>
<u>L233</u>	L100 and L229	0	<u>L233</u>
<u>L232</u>	((directed or dependen\$3) near graph) and L229	0	<u>L232</u>
<u>L231</u>	L221 and L229	11	<u>L231</u>
<u>L230</u>	L223 and L229	0	<u>L230</u>
<u>L229</u>	((invalidat\$3 or severing) near relationship)	186	<u>L229</u>
<u>L228</u>	L145 and L224	17	<u>L228</u>
<u>L227</u>	L145and L224	646	<u>L227</u>
<u>L226</u>	L189 and L224	1	<u>L226</u>
<u>L225</u>	base adj class and L224	32	<u>L225</u>
<u>L224</u>	L221 and L223	646	<u>L224</u>
<u>L223</u>	((dynamic\$\$ or run\$1time or defer\$5) near (comput\$6 or calculat\$3 or evalut\$3))	8134	<u>L223</u>
<u>L222</u>	L218 and L221	15	<u>L222</u>
<u>L221</u>	L119 or L168 or L220	72084	<u>L221</u>
<u>L220</u>	(707/102).ccls.	3656	<u>L220</u>
<u>L219</u>	(719/316  719/317).ccls.	657	<u>L219</u>
<u>L218</u>	(((\$3queue\$3 near (lea\$3 or child or dependent)) with (object or value or attribute or field))	140	<u>L218</u>
<u>L217</u>	((re\$1comput\$5 or re\$1calculat\$3) with ((invalid\$3 or dirty) near (object or value or attribute or field)))	4	<u>L217</u>
<u>L216</u>	((((re\$1comput\$5 or re\$1calculat\$3) near (object or value or attribute or field)) with ((invalid\$3 or dirty) near (object or value or attribute or field))))	3	<u>L216</u>

<u>L215</u>	L193 and L214	23	<u>L215</u>
<u>L214</u>	directed near graph and base adj class	88	<u>L214</u>
<u>L213</u>	directed near graph and L211	0	<u>L213</u>
<u>L212</u>	dependen\$3 near graph and L211	0	<u>L212</u>
<u>L211</u>	base adj class and L100	73	<u>L211</u>
<u>L210</u>	base adj class and L189	16	<u>L210</u>
<u>L209</u>	base adj class and L151	48	<u>L209</u>
<u>L208</u>	base adj class with consisten\$3	29	<u>L208</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L207</u>	'5651105'.pn.	1	<u>L207</u>
<u>L206</u>	'5808625'.pn.	1	<u>L206</u>
<u>L205</u>	'5651105'.pn.	1	<u>L205</u>
<u>L204</u>	'5651105'.pn.	1	<u>L204</u>
<u>L203</u>	'5808625'.pn.	1	<u>L203</u>
<u>L202</u>	'5920725'.pn.	1	<u>L202</u>
<u>L201</u>	'6014673'.pn.	1	<u>L201</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L200</u>	L199 and (dag or directed near graph)	20	<u>L200</u>
<u>L199</u>	L193 and L198	306	<u>L199</u>
<u>L198</u>	object near dependen\$3	2509	<u>L198</u>
<u>L197</u>	L159 and L196	29	<u>L197</u>
<u>L196</u>	((re\$1comput\$5 or re\$1calculat\$3) near (object or value or attribute or field))	2526	<u>L196</u>
<u>L195</u>	L193 and L194	18	<u>L195</u>
<u>L194</u>	((object near changes) near ((severing or invalidat\$3 or remov\$3 or delet\$3 or eliminat\$3)))	84	<u>L194</u>
<u>L193</u>	L168 or L192	70496	<u>L193</u>
<u>L192</u>	(717/104  717/105  717/106  717/107  717/108  717/109  717/110  717/111  717/112  717/113).ccls.	1902	<u>L192</u>
<u>L191</u>	((object near changes) with ((severing or invalidat\$3 or remov\$3 or delet\$3 or eliminat\$3) near dependen\$3))	0	<u>L191</u>
<u>L190</u>	L185 and L189	25	<u>L190</u>
<u>L189</u>	((severing or invalidat\$3 or remov\$3 or delet\$3 or eliminat\$3) near dependen\$3)	4711	<u>L189</u>
<u>L188</u>	L151 and L185	5	<u>L188</u>
<u>L187</u>	L151 and L186	0	<u>L187</u>
<u>L186</u>	L100 and L185	1	<u>L186</u>
<u>L185</u>	((manag\$6 or maintain\$6) near dependen\$2)	1220	<u>L185</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L184</u>	'5999179'.pn.	1	<u>L184</u>
<u>L183</u>	'6016147'.pn.	1	<u>L183</u>
<u>L182</u>	'6025841'.pn.	1	<u>L182</u>

<u>L181</u>	'6040839'.pn.	1	<u>L181</u>
<u>L180</u>	'6067572'.pn.	1	<u>L180</u>
<u>L179</u>	'6078329'.pn.	1	<u>L179</u>
<u>L178</u>	'6144385'.pn.	1	<u>L178</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L177</u>	L168 and L173	6	<u>L177</u>
<u>L176</u>	L108 and L173	0	<u>L176</u>
<u>L175</u>	L100 and L173	0	<u>L175</u>
<u>L174</u>	L123 and L173	6	<u>L174</u>
<u>L173</u>	((re\$1comput\$5 or re\$1calculat\$3) near ((lea\$5 or dependent or child)))	121	<u>L173</u>
<u>L172</u>	((re\$1comput\$5 or re\$1calculat\$3) near ((lea\$5 or dependent or child) near (object or value or attribute or field)))	5	<u>L172</u>
<u>L171</u>	dependen\$3 near (buffer or queue or list) with (dag or directed near graph or graph)	22	<u>L171</u>
<u>L170</u>	dependen\$3 near list with (dag or directed near graph or graph)	21	<u>L170</u>
<u>L169</u>	L165 and L168	5	<u>L169</u>
<u>L168</u>	L166 or L167	68894	<u>L168</u>
<u>L167</u>	345/???.ccls.	48736	<u>L167</u>
<u>L166</u>	715/???.ccls.	23477	<u>L166</u>
<u>L165</u>	(dag or graph) and L164	154	<u>L165</u>
<u>L164</u>	dependen\$3 near consisten\$3	562	<u>L164</u>
<u>L163</u>	L108 and L159	20	<u>L163</u>
<u>L162</u>	L100 and L159	1	<u>L162</u>
<u>L161</u>	L100and L159	6099	<u>L161</u>
<u>L160</u>	L151 and L159	9	<u>L160</u>
<u>L159</u>	dependen\$3 with consisten\$3	6098	<u>L159</u>
<u>L158</u>	dependen\$3 near state with consisten\$3	24	<u>L158</u>
<u>L157</u>	L145 and L156	12	<u>L157</u>
<u>L156</u>	L144 and L155	138	<u>L156</u>
<u>L155</u>	(re\$1comput\$6 or re\$1calculat\$3)	36425	<u>L155</u>
<u>L154</u>	((quer\$3 or request\$3) near (object and value))	720	<u>L154</u>
<u>L153</u>	"not" near (re\$1comput\$6 or re\$1calculat\$3)	0	<u>L153</u>
<u>L152</u>	L150 and L151	9	<u>L152</u>
<u>L151</u>	((severing or invalidat\$3) near (dependen\$3 or object))	525	<u>L151</u>
<u>L150</u>	re\$1calculat\$3 near (object or value or dependen\$3)	1830	<u>L150</u>
<u>L149</u>	re\$1comput\$5 and L148	7	<u>L149</u>
<u>L148</u>	L145 and L147	114	<u>L148</u>
<u>L147</u>	((sever\$3 or invalidat\$3) near (dependen\$3 or object))	37440	<u>L147</u>
<u>L146</u>	L143 and L145	12	<u>L146</u>
<u>L145</u>	(dag or directed near graph)	7981	<u>L145</u>
<u>L144</u>	graph and L143	138	<u>L144</u>
<u>L143</u>	re\$1comput\$6 near value	515	<u>L143</u>

<u>L142</u> graph and L141	45	<u>L142</u>
<u>L141</u> re\$1comput\$6 near object	85	<u>L141</u>
<u>L140</u> re\$1comput\$6 and L125	43	<u>L140</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>		
<u>L139</u> US-6499037-B1.did.	1	<u>L139</u>
<u>L138</u> '5802322'.pn.	1	<u>L138</u>
<u>L137</u> '5802322'.pn.	1	<u>L137</u>
<u>L136</u> US-6499037-B1.did.	1	<u>L136</u>
<u>L135</u> '5999931'.pn.	1	<u>L135</u>
<u>L134</u> '5999931'.pn.	1	<u>L134</u>
<u>L133</u> US-6499037-B1.did.	1	<u>L133</u>
<u>L132</u> '6031548'.pn.	1	<u>L132</u>
<u>L131</u> '6031548'.pn.	1	<u>L131</u>
<u>L130</u> '6298228'.pn.	1	<u>L130</u>
<u>L129</u> US-6499037-B1.did.	1	<u>L129</u>
<u>L128</u> US-6499037-B1.did.	1	<u>L128</u>
<u>L127</u> US-6499037-B1.did.	1	<u>L127</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L126</u> laz\$3 near updat\$3	66	<u>L126</u>
<u>L125</u> (dirt\$3 near (dependen\$3 or object or leaf))	1677	<u>L125</u>
<u>L124</u> L122 and L123	28	<u>L124</u>
<u>L123</u> (dag or dependen\$3 near graph or directed near graph)	9312	<u>L123</u>
<u>L122</u> invalidat\$3 near (object or values)	544	<u>L122</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>		
<u>L121</u> US-5606702-A.did.	1	<u>L121</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L120</u> ((dag or dependen\$3 near graph or directed near graph) near (gui or user near interface))	4	<u>L120</u>
<u>L119</u> (dag or graph) and L117	65	<u>L119</u>
<u>L118</u> L100 and L117	0	<u>L118</u>
<u>L117</u> (object near (changes or updat\$3) with dependen\$3)	199	<u>L117</u>
<u>L116</u> (travers\$3 near (dependen\$3 or graph) with (queue or list or buffer))	39	<u>L116</u>
<u>L115</u> ((\$3comput\$6 or \$3calculat\$4) near (dependen\$3 near graph))	52	<u>L115</u>
<u>L114</u> ((creat\$3 near transaction) with (register\$6 near (updat\$3 or changes)))	1	<u>L114</u>
<u>L113</u> ((creat\$3 near transaction) with (register\$6 near changes))	1	<u>L113</u>
<u>L112</u> L100 and L111	6	<u>L112</u>
<u>L111</u> dependen\$3 near list	700	<u>L111</u>
<u>L110</u> L100 and L108	2	<u>L110</u>
<u>L109</u> L106 and L108	7	<u>L109</u>
<u>L108</u> ((defer\$3 or run\$1time or dynamic\$4) near dependen\$3)	1367	<u>L108</u>
<u>L107</u> L103 and L106	1	<u>L107</u>
<u>L106</u> new near dependen\$3	533	<u>L106</u>

<u>L105</u>	(tree or graph) and L103	49	<u>L105</u>
<u>L104</u>	graph and L103	35	<u>L104</u>
<u>L103</u>	((defer\$3 or run\$1time or dynamic\$4) near (comput\$6 or calculat\$3) with dependen\$3)	92	<u>L103</u>
<u>L102</u>	dependen\$3 and L101	86	<u>L102</u>
<u>L101</u>	(dag or graph) and L100	147	<u>L101</u>
<u>L100</u>	((updat\$3 or chang\$3) near (gui or graphical near interface))	907	<u>L100</u>
<u>L99</u>	((dynamic\$4 or run\$1time) near dependen\$3) and L98	11	<u>L99</u>
<u>L98</u>	(((\$3valid\$3 or dirty) near (object or value or attribute or field)) and ((chang\$3 or updat\$3) near (object or value or attribute or field)))	4932	<u>L98</u>
<u>L97</u>	L84 and L95	8	<u>L97</u>
<u>L96</u>	((dynamic\$4 or run\$1time) near dependen\$3) and L95	8	<u>L96</u>
<u>L95</u>	(invalid\$3 or dirty) near (flag or indicat\$3 or bit)	8064	<u>L95</u>
<u>L94</u>	L88 and L92	9	<u>L94</u>
<u>L93</u>	((dynamic\$4 or run\$1time) near dependen\$3) and L92	23	<u>L93</u>
<u>L92</u>	(((\$3valid\$3 or dirty) near (object or value or attribute or field)))	15636	<u>L92</u>
<u>L91</u>	L78 and L88	4	<u>L91</u>
<u>L90</u>	(tree or graph) and L88	41	<u>L90</u>
<u>L89</u>	graph and L88	31	<u>L89</u>
<u>L88</u>	application near state with dependen\$3	149	<u>L88</u>
<u>L87</u>	invalidat\$3 near dependen\$3	45	<u>L87</u>
<u>L86</u>	severing near dependen\$3	8	<u>L86</u>
<u>L85</u>	L77 and L84	0	<u>L85</u>
<u>L84</u>	updat\$3 near (gui or interface near graphical)	421	<u>L84</u>
<u>L83</u>	(quer\$3 near (value or attribute or field)) near (\$3comput\$6 or \$3calculat\$3)	17	<u>L83</u>
<u>L82</u>	("not" near (\$3comput\$6 or \$3calculat\$3 or evalut\$3))	12	<u>L82</u>
<u>L81</u>	("not" near (\$3comput\$6 or \$3calculat\$3))	12	<u>L81</u>
<u>L80</u>	base adj class and L77	6	<u>L80</u>
<u>L79</u>	L77 and L78	6	<u>L79</u>
<u>L78</u>	(dependen\$3 near (graph or manag\$6 or maintain\$5 or list or buffer or queue or tree or hierarch\$3))	4767	<u>L78</u>
<u>L77</u>	(quer\$3 near (value or attribute or field)) with (\$3comput\$6 or \$3calculat\$3)	271	<u>L77</u>
<u>L76</u>	L48 and L75	35	<u>L76</u>
<u>L75</u>	regist\$7 near (modifi\$7 or chang\$3)	15047	<u>L75</u>
<u>L74</u>	dirty\$3 near dependent	0	<u>L74</u>
<u>L73</u>	L51 and L72	35	<u>L73</u>
<u>L72</u>	L49 and L70	256	<u>L72</u>
<u>L71</u>	L48 and L70	13	<u>L71</u>
<u>L70</u>	register\$6 with transaction	11371	<u>L70</u>
<u>L69</u>	L48 and L68	2	<u>L69</u>
<u>L68</u>	register\$6 near transaction	1684	<u>L68</u>
<u>L67</u>	L52 and L66	4	<u>L67</u>

<u>L66</u>	dependen\$2 with dirty	127	<u>L66</u>
<u>L65</u>	dependen\$2 near dirty	1	<u>L65</u>
<u>L64</u>	(comput\$6 or calculat\$3) near dependen\$2 near (dynamic\$4 or runtime or automatic\$4)	33	<u>L64</u>
<u>L63</u>	(recomput\$6 or recalculat\$3) and L62	15	<u>L63</u>
<u>L62</u>	L48 and L52	91	<u>L62</u>
<u>L61</u>	strokes and L48	9	<u>L61</u>
<u>L60</u>	L48 and L59	5	<u>L60</u>
<u>L59</u>	(invalidat\$3 or sever\$3 or destroy\$3) with (dependen\$2 or child or leaf) near object	123	<u>L59</u>
<u>L58</u>	L48 and L56	4	<u>L58</u>
<u>L57</u>	(recomput\$6 or recalculat\$3) and L56	6	<u>L57</u>
<u>L56</u>	invalidat\$3 near (dependen\$2 or child or leaf)	73	<u>L56</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L55</u>	'5251290'.pn.	1	<u>L55</u>
<u>L54</u>	'5251290'.pn.	1	<u>L54</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L53</u>	L50 and L52	13	<u>L53</u>
<u>L52</u>	object near (modif\$6 or changes)	22599	<u>L52</u>
<u>L51</u>	object near changes	12931	<u>L51</u>
<u>L50</u>	L48 and L49	79	<u>L50</u>
<u>L49</u>	\$2valid\$6 and (recomput\$6 or recalculat\$3)	10391	<u>L49</u>
<u>L48</u>	dependen\$2 near graph	1575	<u>L48</u>
<u>L47</u>	strokes with dependen\$2 near graph	0	<u>L47</u>
<u>L46</u>	(dependent or child or leaf) adj object with (valid or invalid\$5 or dirty)	45	<u>L46</u>
<u>L45</u>	(dependent or child or leaf) adj object with (valid or invalid\$5)	34	<u>L45</u>
<u>L44</u>	invalidat\$3 near (recomput\$6 or recalculat\$3)	19	<u>L44</u>
<u>L43</u>	(recomput\$6 or recalculat\$3) and L42	13	<u>L43</u>
<u>L42</u>	value near object near changes	108	<u>L42</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L41</u>	'4809170'.pn.	1	<u>L41</u>
<u>L40</u>	'4951192'.pn.	1	<u>L40</u>
<u>L39</u>	'5339435'.pn.	1	<u>L39</u>
<u>L38</u>	'5347632'.pn.	1	<u>L38</u>
<u>L37</u>	'5625580'.pn.	1	<u>L37</u>
<u>L36</u>	'5634010'.pn.	1	<u>L36</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L35</u>	l34 and (invalidat\$3 or dirty)	12	<u>L35</u>
<u>L34</u>	l11 and L33	56	<u>L34</u>
<u>L33</u>	l31 or L32	3661	<u>L33</u>
<u>L32</u>	707/201.ccls.	1259	<u>L32</u>
<u>L31</u>	703/2,13.ccls.	2404	<u>L31</u>

*DB=EPAB; PLUR=YES; OP=OR*

L30 EP-422877-A.did.

0 L30

*DB=USPT; PLUR=YES; OP=OR*

L29 '5808625'.pn.

1 L29

L28 '5808625'.pn.

1 L28

L27 '5861880'.pn.

1 L27

L26 '5861885'.pn.

1 L26

L25 '5870768'.pn.

1 L25

L24 '5892507'.pn.

1 L24

L23 '5892507'.pn.

1 L23

L22 '5963948'.pn.

1 L22

L21 '5970496'.pn.

1 L21

L20 '5995958'.pn.

1 L20

L19 '6014143'.pn.

1 L19

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

L18 l11 and L17

43 L18

L17 dependency with invalidat\$3

134 L17

L16 dependency and L15

20 L16

L15 (avoid\$3 or eliminat\$3) near (recomput\$5 or recalculat\$3)

212 L15

L14 ((recomput\$5 or recalculat\$3) with (application or object) near state)

6 L14

L13 ((recomput\$5 or recomputed) with (application or object) near state)

3 L13

L12 l10 and l11

2 L12

L11 ((dependen\$3 near (object or graph)) or dag)

8963 L11

L10 redundan\$2 near (comput\$3 or calculat\$3)

1676 L10

L9 l6 and L8

11 L9

L8 ((avoid\$4 or eliminat\$3) near (comput\$5 or calculat\$3))

6655 L8

L7 l5 and L6

2 L7

L6 dependency with (automatic\$4 or runtime or dynamic\$4)

2885 L6

L5 ((dependen\$3 near (object or graph)) or dag) and ((avoid\$4 or eliminat\$3) near (comput\$5 or calculat\$3))

169 L5

L4 ((dependen\$3 near (object or graph)) or dag) with ((avoid\$4 or eliminat\$3) near (comput\$5 or calculat\$3))

1 L4

L3 ((dependen\$3 near (object or graph)) or dag) with ((avoid\$4 or eliminat\$3) near ((repeat\$3 or repetition) near (comput\$5 or calculat\$3)))

0 L3

L2 ((application near state) with (user adj action or click\$3))

40 L2

L1 ((application near state) with (tree or hierarch\$3 or dag))

43 L1

END OF SEARCH HISTORY